

In Th Claims

Please amend the claims as follows:

1. (CURRENTLY AMENDED) A Printed circuit board (—PCB—) having a through-hole between an upper side and a lower side of the PCB, comprising:

- at least one electronic component attached to the upper side,
- at least one heat-conducting member —(HCM)— for inserting into the through-hole, extending from the upper side to the lower side, and being thermally coupled with ~~the~~said electronic component, and
- the HCM comprising a substantially planar, disc-shaped top portion and tapered or recessed, ring-shaped bottom portion, wherein said top portion is thermally coupled with said electronic component, and wherein the bottom portion has a final shape resulting from plastically deforming an origin shape of the bottom portion by pressing the HCM substantially perpendicular to the top portion via a planar pressing tools.

2. (CURRENTLY AMENDED) The PCB according to claim 1, wherein:

- the through-hole is arranged substantially centrally underneath the component, and
- a top side of the HCM is directly thermally coupled with a bottom side of the component.

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1. (CANCELLED)

4. (CURRENTLY AMENDED) The PCB according to claim 31, wherein:

- the top portion comprises several projections radially extending from an outer edge of the top portion, and
- the projections affixed the HCM to the PCB by penetrating into an

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inner wall enclosing the through-hole.

5. (CURRENTLY AMENDED) The PCB according to claim 31, wherein between the bottom portion and an inner wall enclosing the through-hole a ring shaped gap is provided.

6. (CANCELLED)

7. (CURRENTLY AMENDED) The PCB according to claim 1, wherein said PCB comprises with at least one feature of the features selected from the group consisting of:

- a top side of the HCM is disposed on the same plane as ~~plainly aligned with the~~ said upper side of the PCB, and
- a bottom side of the HCM is disposed on the same plane as ~~plainly aligned with the~~ said lower side of the PCB.

8. (CURRENTLY AMENDED) The PCB according to claim 1, wherein the HCM has a substantially rotationally symmetrical shape.

9. (CURRENTLY AMENDED) The PCB according to claim 1, wherein the HCM is thermally contacted with at least one of a heat sink and a cooling device preferably attached to the lower side of the PCB.

Claims 10-16 (CANCELLED)

17. (CURRENTLY AMENDED) A heat conducting member —(HCM) — that is inserted into a through-hole of a printed circuit board —(PCB) — according to claim 1, wherein said HCM comprises:

- ~~the HCM has an~~ origin shape before and a plastically deformed final shape after it is inserted into the through-hole of the PCB, and
- ~~the HCM has a~~ disc-shaped top portion and a ring-shaped bottom portion extending from the top portion.

18. (CURRENTLY AMENDED) The HCM according to claim 17, comprising at least one of the features selected from the group consisting of:

- the top portion comprises several projections radially extending from an outer edge of the top portion;
- in the original shape, the bottom portion has a truncated conical profile tapering with increasing distance from the top portion;
- the HCM has a substantially rotationally symmetrical shape; and
- the HCM is made as a one-piece element.